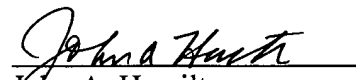


CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as postage-paid first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on November 4, 2005.


John A. Hamilton
Reg. No. 48,946

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David R. SWENSON

Serial No: 10/765,246

Filed: January 27, 2004

For: METHOD OF AND APPARATUS FOR MEASUREMENT AND CONTROL OF A GAS CLUSTER ION BEAM

Examiner: Zia R. HASHMI

Art Unit: 2881

Conf. No.: 9561

PERKINS SMITH & COHEN LLP
One Beacon Street
Boston, MA 02108
(617) 854 4000

To: Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Response (A) To Office Action Under 37 CFR 1.111

Sir:

This response is made to the (non-final) Office Action dated 04 May 2005 in the above-captioned U.S. patent application. Accompanying this submission is a declaration made pursuant to 37 CFR §1.132, a petition for a three-month extension, and the associated small entity fee related to the petition. No additional fees are believed necessary for submission and consideration of this reply. In the event that additional fees are deemed necessary for consideration of this response, such fees are authorized to be charged to our Deposit Account No. 03-2410, Order No. 11460-130.

Remarks begin on **page 2** of this paper.

An **Appendix** begins after **page 6** of this paper.